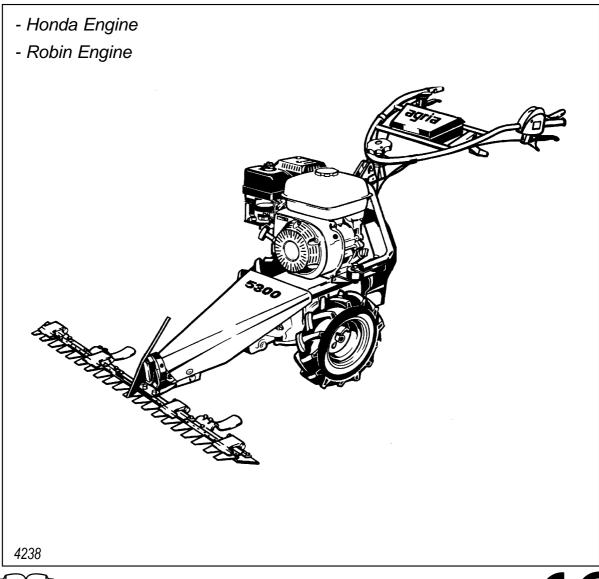
Operating Instructions \overline{agric}

Translation of the original operating instructions

Grassland Mower 5300





Before commissioning the machine, read operating instructions and observe warnings and safety instructions.



Please complete:

Machine Type No.:			
Identification No.:			
Engine Type:			
Engine No.:			
Date of Purchase:			

For name plate, refer to p3/fig. A/7. For Engine type and number, refer to p3/fig. B/6.

Please state these data when ordering spare parts to avoid wrong deliveries.

Only use original agria spare parts!

Specifications, figures and dimensions stated in these instructions are not binding. No claims can be derived from them. We reserve the right for improvements without changing these instructions.

This delivery comprises:

- Operating instructions
- Engine operating instructions
- Grassland mower –basic machine
- Handlebar with knob screw
- 1 pair of drive-wheels *
- Cutter bar *
- Tool kit

Symbols



Warning - Danger



Important information



Choke



Fuel



Oil



Engine Start



Motordrehzahl



Engine Stop



Air filter



Visual check



Clutch



Mowing drive



Wheel drive



Forward



Reverse



Slow



Open (unlocked)



Closed (locked)



see engine operating

instructions

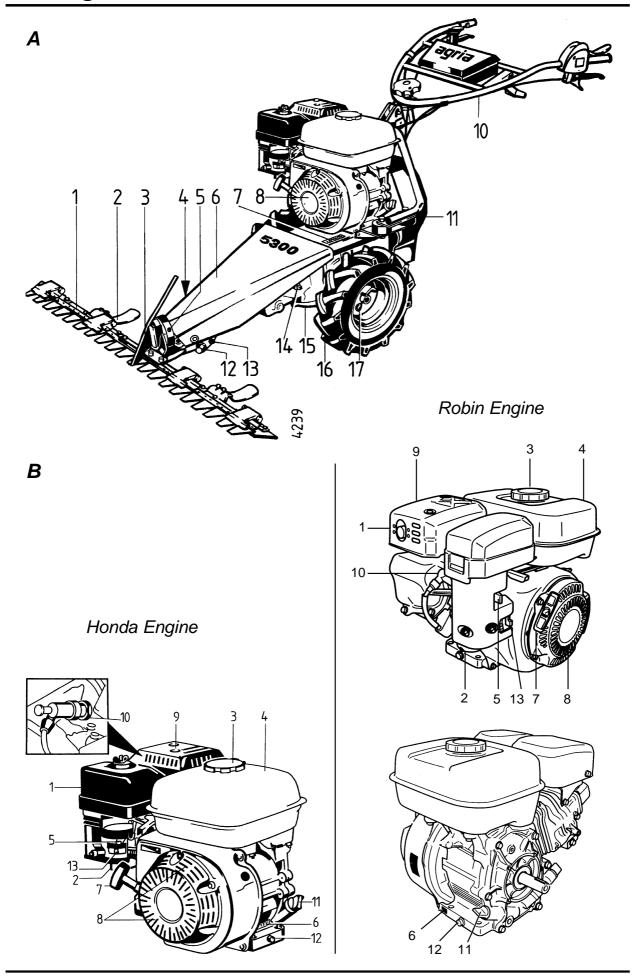
→agria - Service ←

= contact your agria workshop

i Please observe that only those activities of the engine are described here which are required for operating the Grassland Mower. All other information on the engine may be taken from the enclosed engine operating instructions!

^{* =} depending on machine version





Designation of Parts



Figure A

- 1 Cutter bar
- 2 Running bases
- 3 Knife driver
- 4 Lubrication nipple for cutter bar carrier pin
- 5 Lubrication nipple for crank roll
- 6 Mowing drive hood
- 7 Name plate/Machine identification no.
- 8 Engine
- 10 Handlebar
- 11 Pulley and belt guard (V-belt clutch)
- 12 Interlocking bolt for cutter bar
- 13 Lubrication nipple for interlocking bolt
- 14 Transmission oil filler plug/control screw
- 15 Cap of transmission housing/Transmission oil drain opening
- 16 Drive-wheel
- 17 Detent spring for drive-wheel

Figure B

- 1 Air filter
- 2 Carburetor
- 3 Fuel tank cap
- 4 Fuel tank
- 5 Choke lever
- 6 Engine type no.
- 7 Starter handle
- 8 Cooling-air screen
- 9 Exhaust with exhaust guard
- 10 Spark plug, spark plug connector
- 11 Engine oil filler plug control opening
- 12 Engine oil drain screw
- 13 Fuel tap

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Lubricants and Anti-Corrosive Agents:

Use the lubricants specified for engine and gearbox (see "Specifications").

We recommend using **Bio-lubricating** oil or **Bio-lubricating grease** for "open" lubrication points or nipples (as specified in the operating instructions).

We recommend using **Bio-slushing oil** to preserve machines and attachments (do not apply on painted covers). You can brush or spray the oil.

Anti-corrosive agents are environmentally friendly and degrade fast.

Using ecologically safe Bio-lubricants and Bio-anti-corrosives, you contribute to environmental protection and to the wellbeing of humans, animals and plants.

Fuel

This engine runs smoothly on commercial unleaded regular and supergrade petrol (including E10).

Do not add oil to petrol.

If, for environmental reasons, you use unleaded petrol, make sure the fuel is drained completely when shutting down the engine for more than 30 days. This is to prevent resin residue from depositing in the carburetor, fuel filter, and tank. Or add a fuel stabilizer to the fuel.

For further instructions refer to "Engine Preservation".

Maintenance and Repair:

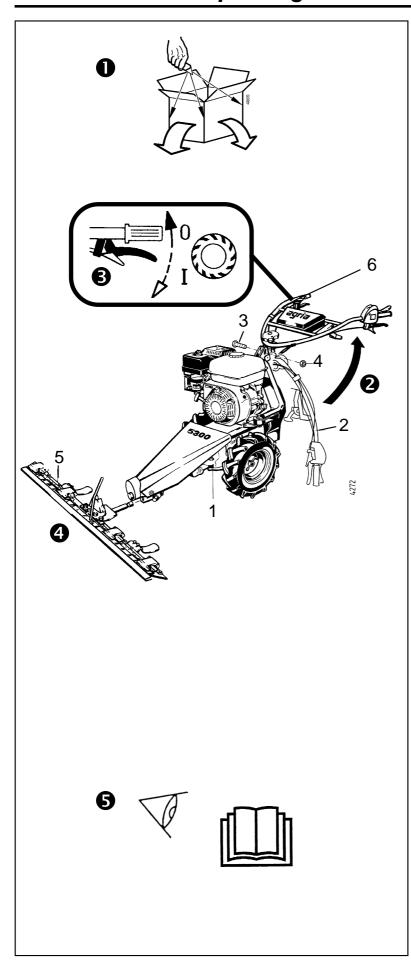
The trained mechanics of your agria workshop expertly carry out any maintenance and repair work.

You should only carry out major maintenance work and repairs on your own, if you have the proper tools and knowledge of machines and internal combustion engines.

Do not hammer against the flywheel with a hard object or metal tools as it might crack and shatter in operation, causing injuries and damage. Only use suitable tools to pull off the flywheel.

Instructions for Unpacking and Assembly agria





- Open the box top.
- Cut the two rear corners open and fold down the box sides.
- **2** Fold the steering handle upwards.
- Remove the hex head bolt (3) and hex nut (4).
- Pivot the steering handle (2) upwards, insert the hex head bolt (3) into the appropriate holes, attach the hex nut (4) and tighten it.
- 3 Move the wheel drive engagement lever (6) to position 0 and lock it to disengage the wheel drive. This is to push the undriven machine.
- Pull the machine rearwards to remove it from the box.
- 4 Attach the cutter bar (5),



6 Carry out the start-up procedure



1

Before starting the engine, read the operating instructions and note:

Warning



This symbol marks all paragraphs which affect your safety. Pass all safety instructions to other users and operators.

Due Use

The grassland mower is constructed solely for the cutting of grass and similar plants as well as thin non-wooded scrub in land & forest management, green spaces, and other such areas and may also be used as a snow-clearing machine after it has been fitted with a suitable rake blade (due use).

Any other type of operation is considered undue. The manufacturer is not liable for any damages resulting from undue use, for which the risk lies with the user alone.

When the grassland mower is used on public roads, the local national road traffic rules must be observed, e.g. reflectors, lights.

The grassland mower is not intended for use with a trailer on public roads or as as a tractive machine.

Due use includes compliance with manufacturer's instructions on operation, maintenance and repair.

Any unauthorized changes to the mower render manufacturer liability null and void.

General Instructions on Safety and Accident Prevention

Basic Rule:

The standard accident prevention regulations must be adhered to, as well as all other generally accepted rules governing operational safety, occupational health and road traffic regulations.

For drives on public roads, the national traffic code applies.

Accordingly, check the grassland mower for road and operational safety each time you take up operation.

Only persons familiar with the mower and instructed on the hazards of operation are allowed to use, maintain and repair the mower.

Teenagers of 16 years or younger may not operate the grassland mower!

Only work in good light and visibility.

Operator's clothes should fit tight. Avoid wearing loose fitting clothes. Wear solid shoes.

Note the warning and instruction signs on the mower for safe operation. Compliance is for your own safety.

When transporting the mower on vehicles or trailers outside the area to be mowed, ensure that the engine is turned off.

Careful with rotating tools – keep at a safe distance!

1. Safety Instructions



Beware of coasting tools. Before you start any maintenance or repair on them, wait until tools have come to a complete stop.

Foreign powered parts shear and crush! Riding on the attachment during operation is not permitted.

Implements and their weight affect the driving, steering, braking, and tip-over characteristics of the mower. Therefore, ensure steering and braking functions are sufficient. Match operating speed to conditions.

Do not change settings of governor. High engine speed increases risk of accidents.

Working Area and Danger Zone

The user is liable to third parties working within the mower's working range.

Staying in danger zone is not permitted.

Check the immediate surroundings of the mower before you start it. Watch out for children and animals.

Before you start work, clear the area from any foreign object. During operation, always watch out for further objects and remove them in time.

For operation in enclosed areas, ensure that a safety distance is kept to enclosures to prevent damage to tools.

Operation and Safety Devices

Before you start the engine

Become familiar with the devices and operating elements and their functions. Above all, learn how to turn the engine off quickly and safely in an emergency.

Ensure that all protective devices are mounted and positioned to provide protection.

With no implement mounted, make sure PTO-shaft is covered with the protective cap.

Starting the engine

Do not start engine in closed rooms. The carbon monoxide contained in the exhaust fume is extremely toxic when inhaled.

Before you start the engine set all operating elements to neutral or idling position.

For starting the engine, do not step in front of the mower and the implement.

Operation

Never leave the operator's position at the steering handle while mower is at work.

Never adjust the operating handles during work – danger!



1

During operation the operator must keep at a distance as defined by the steering handle, especially when turning the machine.

Riding on the implement during operation or in transport is not permitted.

If clogging occurs in the implement, turn off the engine and clean the implement with an appropriate tool.

In case of damage to the grassland mower or to the implement, immediately turn off the engine and have it repaired.

If steering causes problems, immediately bring the mower to a halt and turn it off. Have the malfunction removed without delay.

To prevent the mower from sliding on slopes, make sure it is secured by another person using a bar or a rope. This person must be located at a higher position than the vehicle and at a safe distance from the attachment at work.

If possible, always work horizontally on the slope.

End of Operation

Never leave the mower unattended with the engine running.

Before you leave the grassland mower, turn off the engine.

Secure grassland mower against unauthorized use. If mower is equipped with ignition key, remove the key. For all other versions, remove spark plug connector.

Implements

Only mount implements with the engine and PTO switched off.

Always use appropriate tools and wear gloves when changing implements and parts thereof.

For mounting and dismounting implements bring support leg into proper position and ensure stability.

Secure mower and implements against rolling off (parking brake, wheel chocks).

Beware of injuries while coupling implements.

Mount implements as specified and only couple at specified points.

Secure mower and implement against unauthorized use and rolling off when you leave the machine. If necessary, install transport or security devices and secure.

Mowing Attachment

Handle with care! Sharp blades of the cutter bar may cause injuries! Remove knife guards only for mowing and refit immediately after work has finished.

For transport and storage always mount the knife guards. Secure finger bars additionally with tension springs.

Do not transport the dismounted cutter bar without knife guards.

1. Safety Instructions



Before mounting and dismounting the cutter bar, make sure all blades are protected by the knife guard.

To exchange the mowing knife and to mount/dismount the knife driver, make sure that you turn screws away from cutting edges.

For grinding the mowing knives, always wear safety goggles and gloves.

Weights

Always fit weights onto appropriate weight mounting devices.

Snow Clearing

Ensure snow dozer is mounted correctly! Wear slip-proof shoes.

When swivelling the snow dozer watch out for crush and shear points. Adjust working speed to conditions. Operator may be injured when the mache comes in contact with solid objects.

Maintenance

Never carry out any maintenance or cleaning with the engine running.

Before you work on the engine, always remove spark plug connector (petrol engine only).

Check regularly and, if necessary, replace all protecting devices and tools subject to wear and tear.

Replace damaged cutting tools.

Always wear safety gloves and use proper tools when exchanging cutting tools.

Do not carry out repairs like welding, grinding, drilling, etc. on structural and safety-relevant parts (e.g. coupling devices)!

Keep mower and implement clean to avoid risk of fire.

Check nuts and screws regularly for tight fit and re-tighten, if necessary.

After maintenance and cleaning, ensure that you re-install all safety and protective devices and adjust them properly.

Only use original agria spare parts. All other commercial spare parts must correspond to quality and technical requirements specified by agria.

Storage

It is not allowed to store the mower in rooms with open heating.

Never park the mower in closed rooms with fuel left in tank. Fuel vapours are hazardous.

1

Engine, Fuel, and Oil

Never let the engine run in closed rooms. Extreme danger of intoxication! For the same reason, also replace damaged exhaust parts immediately.

Caution with hot engine parts!

The exhaust and other engine parts become very hot, if the engine runs and immediately after turning off. Hold for sufficient distance from hot surfaces and keep children away from the running engine.

Be careful when dealing with fuel. Great danger of fire! Never refill fuel close to open fire, inflammable sparks or hot engine parts. Do not refill fuel in closed rooms. Do not smoke when refilling!

Refill only with the engine switched off and cooled down.

Do not spill any fuel, use a proper filling device.

In case of fuel spillage, pull the grassland mower away from the spillage before you start the engine.

Make sure fuel is of specified quality.

Store fuel in approved cans only.

For safety reasons the petrol tank and fuel cap should be replaced regularly.

Store anti-corrosive agents and stabilizing liquids out of reach of children. If sickness and vomiting occur, see a doctor. If fuel has contacted eyes, rinse them thoroughly, avoid inhaling of vapours.

Read and observe enclosed instructions.

Before you dispose of opened and seemingly empty pressurised tins (e.g. of assist-starting liquids) make sure they are completely empty. Empty them in ventilated places safe from spark formation or flames. If necessary, dispose of tins in hazardous waste deposits.

Be careful when draining hot oil, danger of burns.

Make sure oil is of specified quality. Storage is in approved cans only.

Dispose of oil, greases, and filters seperately and properly.

Tyres and Tyre Air Pressure

When working on tyres, make sure grassland mower is parked properly and secured against rolling off.

Any repairs are to be carried out by trained mechanics only and with the appropriate tools.

Regularly check tyre air pressure. Excessive pressure may cause bursts.

Use appropriate tyre air pressure when mounting weights or implements.

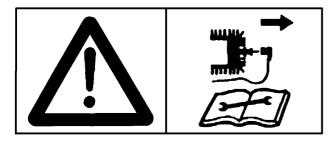
Re-tighten attachment bolts of drivewheels or check tightness when doing maintenance work.

Electrical System and Battery

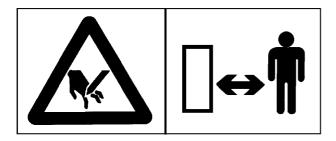
Persons having a pacemaker must not touch live parts of ignition system when the engine is running.



Explanation of Warning Signs



Before any cleaning, maintenance, and repair work switch off the engine and pull spark plug connector.



With engine running, keep at a safe distance from cutting tools.

Signs



When working with the machine, wear individual protective ear plugs.



Wear protective gloves.



Wear solid shoes.

Grassland Mower

Machine Dimensions: a 470 mm b 630 mm e 280 mm h 860–1080 mm I 1550 mm m 910 or 1050 mm (depending on cutter bar version) s 375 mm s twin-wheels 762 mm A 525 mm A twin-wheels 857 mm

Clutch:

V-belt clutch with idler pulleys between engine and transmission Friction clutch for reverse

Only use original agria V-belts! (see list of wear parts p47)

Travelling speed:

forward 3.0 km/h reverse 2.3 km/h

Mowing drive:

Steering handle:

Vibration dampened, height-adjustable, side-adjustable without tools

Weight:

without cutter bar 70 kg with cutter bar 105 cm 84 kg with cutter bar 122 cm 89.5 kg

Tyres: 3.50 - 6 (field tyre)

Tyre air pressure: 0.8 bar

Noise level:

Vibration acceleration value:

In accordance with EN 12733 and EN 1033: on handlebar grip: $a_{hw} = 9.6 \text{ m/s}^2$

2. Specifications



Engine			Fuel tank capacity: 3.6 /	
Version: Fan-air cooled 1-cylinder, 4-stroke petrol ohv engine Manufacturer: Honda			Fuel: unleaded petrol, octane number at least 91 RON (also E10) refer to fuel recommendations	
Mower type:	5300 441	5300 531	1	
Engine type:	GX 160 K1 QPU	GX 200 QHQ4	Air filter: Dry element filter with foamed preliminary filter	
Bore:	65 mm	68 mm		
Stroke:	45 mm	54 mm	Carburetor: Throttle valve type	
Cubic capacity: Compression ratio:	163 ccm 8.5 : 1	196 ccm 8.5 : 1	Mixture control screw: opened approx. 2 1/8 turns in base setting	
Output: at 3,600 rpm Max. torque: at 2,500 rpm	4.0 kW 10.8 Nm	4.8 kW 13.2 Nm	Rated speed: 2,9003,000 rpm Top no-load speed: 3,000 rpm Idling speed: 1,250–1,600 rpm	
Spark plug:			Engine oil: Filling quantity	
Outlet: 0.20 mm ± 0.02 mm Starter:				

Soft-pull recoil starter with mechanical

decompression facility

Multi-grade oil SAE 10 W-40

SG, SF or higher quality grade

max 30° (58 %)

(with oil level at "max""= upper level

Operability on Slopes:

mark)

Engine Fuel tank capacity: 3.6 / Version: Fan-air cooled Fuel: unleaded petrol, 1-cylinder, 4-stroke petrol ohc engine refer to fuel recommendations Manufacturer: Robin Air filter: Dry element filter 5300 611 Mower type: with foamed preliminary filter **EX21** Engine type: (DUAL-ELEMENT) 67 mm Bore: Carburetor: Throttle valve type Stroke: 60 mm Cubic capacity: 211 ccm **Rated speed:** 2,900...3,000 rpm **Output: Top no-load speed:** 3,000 rpm 4.8 kW at 3,600 rpm Idling speed: 1,250–1,600 rpm Max. torque: at 2,500 rpm 13.9 Nm Engine oil: Filling quantity approx. 0.6 l Spark plug: NGK BR6 HS

Ignition system:

Contactless solenoid ignition, ignition point is pre-set, radio remote screened according to VDE 0879

Spark plug gap: 0.6-0.7 mm

Valve lash (engine cold):

Intake: 0.15 mm ±- 0.02 mm Outlet: 0.20 mm ± 0.02 mm

Starter:

Soft-pull recoil starter with mechanical decompression facility

3. Devices and Operating Elements



The grassland mower **agria** 5100 is suited for agricultural and forestal operations, green spaces and for winter service operation. The following cutter bars are available:

- Universal SC cutter bar
 105 cm (agria Item no. 5347 751)
 122 cm (agria Item no. 5347 661)
- Municipal cutter bar105 cm (agria Item no. 5347 451)

Available attachment for winter service operation:

Snow dozer
 100 cm (agria Item no. 5396 012)

Engine

The four-stroke petrol engine runs on commercial petrol (refer to fuel recommendations p6).

During the first 20 operating hours (break-in period) do not use engine to maximum power.

Even **after break-in period** never use engine at higher speed than necessary for the work in hand.

High engine speed is harmful to any engine and considerably affects its durability. This applies especially for no load operation. Any overspeed (have the engine roar) can result in immediate damage.

Cooling System

The cooling system is fan-cooled. Therefore keep screen at recoil starter and cooling fins of cylinder clean and free from sucked-in plant trash.

Idle running speed

Always ensure that idling-speed is adjusted correcty. With the speed control lever set to idle, the engine is supposed to run smoothly and without run-out at low engine speed.

Air Filter

The air filter purifies the air intake. A clogged filter reduces engine output.

Ignition System

The engine is equipped with a maintenance-free, contactless electronic ignition system.

We recommend to have necessary check-ups done by an expert only.

Choke

The choke lever (B/5) is on the carburetor.



Close the choke for cold starts.

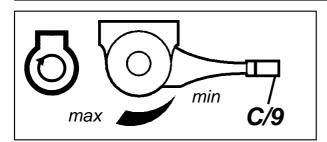


Open the choke for warm starts and operation.

Fuel tap



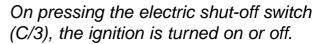
The fuel tap (B/13) is on the carburetor.



Speed Control Lever

The speed control lever (C/9) on the steering handle is for stepless setting of engine speed from min. = idle to max. = full throttle.

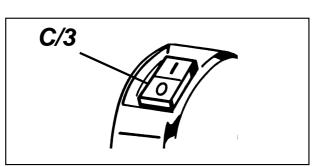
Engine Shut-off Switch



Position "I" = Operation

Position "0" = Engine off

The engine shut-off switch also serves to shut off the engine in an emergency situation. Set the switch to "0" for fast shut-off.

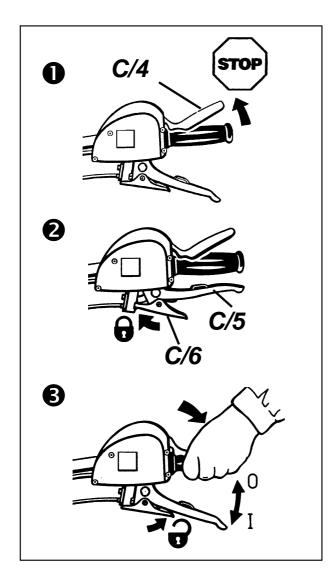


Safety Circuit

- **1** Stop position: When releasing the lever (C/4), the ignition system is turned off (engine is shut off). Beware engine keeps running due to centrifugal mass.
- **2** Start position: (for starting the engine and for short breaks) Press down the safety circuit lever, pull the clutch lever (C/5) and lock with pawl (C/6).
- **Operating position:** To operate the machine press safety circuit lever (C/4).



Release the safety circuit lever in an emergency situation, the lever automatically goes to STOP position.



3. Devices and Operating Elements



Travelling Drive

Forward - Reverse

The grassland mower is equipped with a clutch-integrated FR-gearshift, which is operated via the hand clutch lever (C/5).



Pull hand clutch lever (C/5) all the way up.

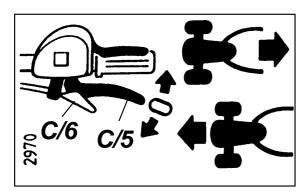
Travelling drive idling speed:

Pull hand clutch lever (C/5) approx. half way – lock pawl.

Travelling drive forward speed:

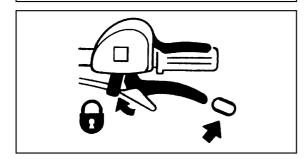
Move hand clutch lever downwards (C/5) – unlock pawl.

Pawl (C/6) is for fastening the hand clutch lever in neutral position ("0").



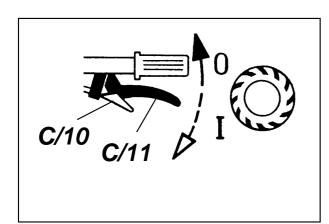
Clutch

Watch for the correct clutch play (X) to avoid clutch slipping away during operation.



Note: Always park mower with hand clutch lever pulled ("0" – pawl locked), otherwise clutch problems may arise due to deformation of V-belt.

agria



Wheel-drive

engaged:

Move hand lever for wheel-drive (C/11) down – pawl (C/10) is locked.

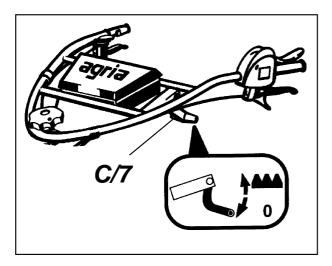
disengaged:

Pull hand lever for wheel-drive (C/11) upwards – pawl is unlocked.

With engine running, engage wheeldrive as follows:

- Pull hand clutch lever (C/5) half way (neutral) and hold.
- Unlock pawl (C/10).
- Move hand lever for wheel-drive (C/11) downwards.
- Slowly release hand clutch lever (C/5) while pressing the throttle.

In case wheel-drive cannot be engaged, couple and decouple. Then engage wheel-drive.



Mowing Drive

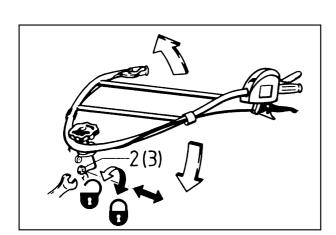
The mowing drive is crank driven.

The mowing drive is engaged and disengaged via the gear lever (C/7).

Only engage mowing drive when the machine is decoupled (in neutral).

3. Devices and Operating Elements





Steering Handle

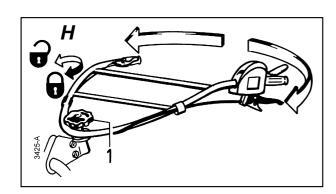
Steering handle height adjustment

- Unscrew hexagonal screw (2) from squared clamping piece (3) and remove from steering bar joint.
- Adjust the steering handle to desired height and fit into proper boring of steering bar joint.
- Insert hexagonal screw, screw into squared clamping piece (3) and tighten. (Ensure that peg of clamping piece (3) locks into long hole of location in steering bar joint).



Steering handle side adjustment

- Loosen knob screw (1) until all notches are free.
- Swivel the steering handle to the desired position and fit into proper toothing.
- Re-tighten knob screw.





Drive-Wheels



Only mount and dismount 🗥 drive-wheels with engine turned off.

The drive-wheels are equipped with a detent spring (1) and can be mounted and adjusted without tools.

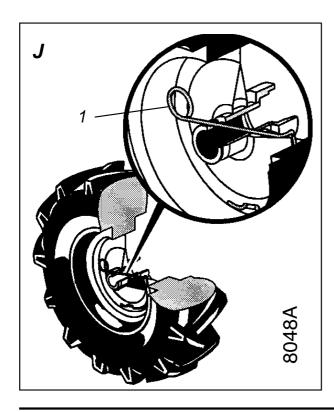
The detent spring engages into a ring groove on the wheel-shaft to hold the drive-wheel.

On both sides of the wheel-shaft there are 2 ring grooves respectively. With detent spring engaging into outer ring groove, the drive-wheel turns in neutral on wheel-shaft. With detent spring engaging into inner ring groove, the drivewheel engages with a toothed wheel on the wheel-shaft to be driven by the same.

Mounting drive-wheels

- For full tractive power, mount field tyres with the tread profile pointing in travel direction (seen from above).
- Lift detent spring (1) slightly and place into assembly position (fig. J) (front ring groove on hub).
- Mount drive-wheels onto wheel-shaft, with the side for the detent spring pointing outwards.
- Let detent spring engage in a ring groove again (fig. K and L).
- Brush Bio-lubricating grease onto both ends of wheel-shaft (small diameter of wheel-shaft).

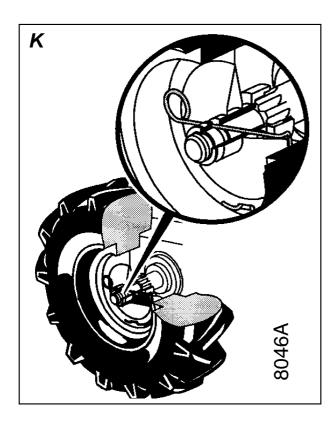
For dismounting drive-wheels, proceed accordingly but in reverse order.



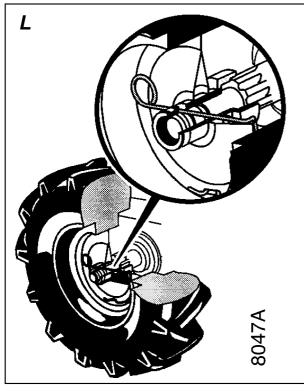
3. Devices and Operating Elements



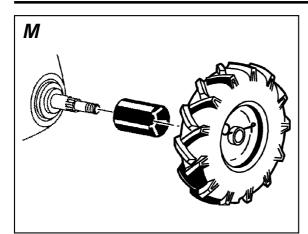
Engagements of Drive-Wheels



• Rigid drive: Push both drive-wheels inwards to a stop, engage detent springs into inner ring grooves (fig. K). If detent springs do not engage, turn drive-wheels slightly and push them axially inwards until you feel toothed clutch wheel engage.

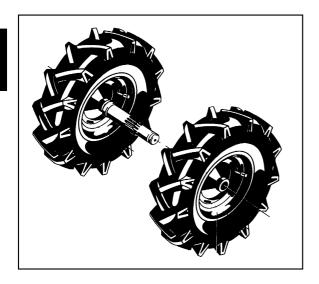


- **Neutral:** Push both drive-wheels outwards and lock detent springs into outer ring groove (fig. L).
- Drive with differential effect: Engage one drive-wheel into inner ring groove (fig. K), engage the second drive-wheel into outer ring groove (fig. L) neutral.



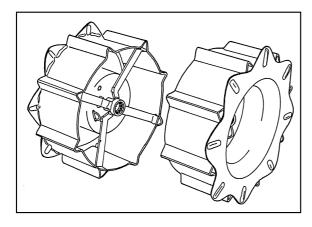
Anti-Winding Tubes

On both sides of the wheel-shaft, antiwinding tubes are mounted between transmission housing and drive-wheel. Generally, these tubes prevent grass from winding onto shaft. Remove wound-on grass by simply dismounting drive-wheels and anti-winding tubes without tools.



Twin-Wheels

- Dismount single drive-wheels.
- Mount twin-wheels onto wheel-shaft (as described in "Mounting Drive-Wheels").
- Fit special anti-winding tubes onto wheel-shaft of twin-wheels ensure that valves fit into reliefs.
- Mount single drive-wheels onto full dog points of twin drive-wheels.



Cage Drive-Wheels

- Dismount drive-wheels.
- Mount cage drive-wheels onto wheelshaft (as described in "Mounting Drive-Wheels").
- Rigid drive, neutral, drive with differential effect are also available with twin and cage drive-wheels mounted.

3. Devices and Operating Elements



Mounting Cutter Bar

The following accessory cutter bars are available to fit requirements:

- Universal SC cutter bar
 105 cm (agria Item no. 5347 651)
 122 cm (agria Item no. 5347 661)
- Municipal cutter bar105 cm (agria Item no. 5347 451)



For mounting and dismounting cutter bar, mount knife guard (10) and wear safety gloves!

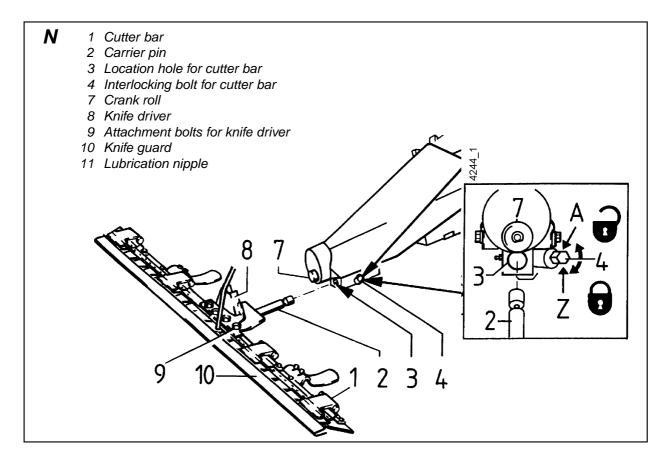
Mounting cutter bar

- Open interlocking bolt for cutter bar (4). For this purpose, turn hexagonal bolt with open-end wrench WS 13 until mark "A" is in top position.
- Grease carrier pin (2) with Bio-lubricating grease.

- Turn eccentric disc to bring crank roll
 into bottom position.
- Align the knife driver on cutter bar centrally with the carrier pin.
- Insert carrier pin (2) into location boring (3) of mowing drive housing and push in to a stop.
- Close bolt (4). For this purpose, turn hexagonal bolt with open-end wrench WS 13 until mark "Z" is in top position.

Dismounting cutter bar

- Fit knife guard (10).
- Open bolt (4). For this purpose, turn hexagonal bolt with open-end wrench WS13 until mark "A" is in top position.
- Pull cutter bar out towards the front.



3. Devices and Operating Elements



Running Bases on Cutter Bar

The cutter bar is equipped with sliding skids, which are mounted under the cutter bar. For a higher cut, 2 height-adjustable running bases can be mounted onto the cutter bar.

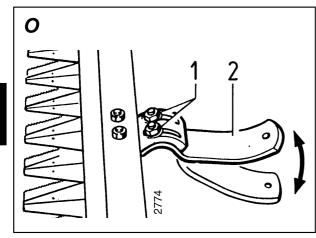
(Optional pair of running bases = agria Item no. 713 22)

On cutter bar version S, re-fit the gliding skid in such a way that the convex face points upwards (see fig. 0).

For height adjustment, proceed as follows:

Loosen hexagonal nut (O/1). Move running base (O/2) to required position. Retighten hexagonal nuts.

For a clean cut, make sure both running bases are adjusted to same height.





Commissioning the Machine

Please note that durability and operational safety of the engine depend to a large extent on its breaking-in. Always allow a cold engine to warm up for some minutes and never run it at full throttle at the beginning.

Please note: for the first **20** hours of operation (break-in period) do not use the engine at full power.

Make sure you check and maintain air filters regularly and use clean fuel. Only use branded petrol.

Only use fresh, clean fuel (not older than 3 months) and approved fuel cans to be purchased in special shops. Rusty sheet metal cans or fuel cans not suited for petrol are not permitted.

For the first commissioning or after longer periods of no operation, fill fuel tank to maximum to avoid starting problems.



Be careful when dealing with fuel.

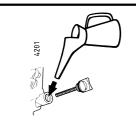


Fuel is easily inflammable and explosive in certain conditions!



- Do not refill in closed rooms.
- Before each fuel fill, shut off the engine and wait until it has cooled off.
- Never refill close to open fire, inflammable sparks or hot engine parts.
- Do not smoke during filling!
- Do not spill any fuel, use a proper filling device.

Do not cause fuel tank to overflow, but leave a 5 mm margin for the fuel to expand.



(i)

Note: For reasons of transport, the machine is **not filled** with engine oil!

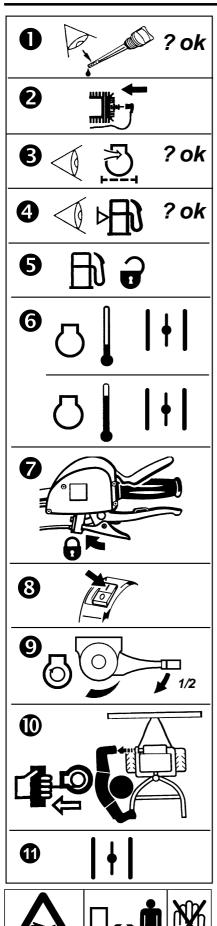
Before you operate the engine the first time,

fill in engine oil



Please observe the references of the engine operating instructions!





Starting the Engine

Do not start engine in closed rooms! Exhaust fumes contain carbon monoxide which acts toxic when inhaled.

Keep feet away from coupled attachment.

- Protective covers mounted?
 Attachments attached correctly?
- Check engine oil level.
- 2 Mount spark plug connector.
- **3** Air filter clean?
- 4 Fuel quantity in tank sufficient?
- **6** Open the fuel tap.
- 6 Cold engine:

Move the choke lever to position "CHOKE"

Warm engine:

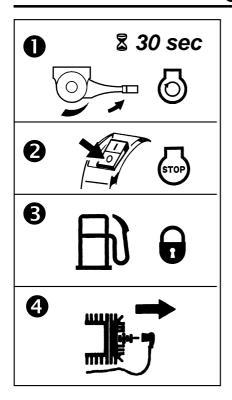
Do not use the CHOKE (operating position)

- Pull the clutch lever and safety circuit shift lever in start position.
- 8 Flick the engine shut-off switch to "I".
- **9** Move the speed control lever to a central position (between idling speed and full throttle).
- Start engine from a position outside the hazardous area.
- Pull the starter rope on the handle until the starter clutch engages. Then pull hard and fast to pull the rope all the way out. After the start, let the rope glide back. Do not let it snap back.
- **11** CHOKE to operation position.

Caution with hot engine parts!

The exhaust and other engine parts become very hot, if the engine runs and immediately after turning off. Hold for sufficient distance from hot surfaces and keep children away from the running engine.





Shutting off the Engine

- Move the speed control lever to idling position and let the engine run idle for about half a minute.
- 2 Flick the engine shut-off switch to position "0".
- Close the fuel tap.
- Withdraw spark plug connector protection against unauthorised use!



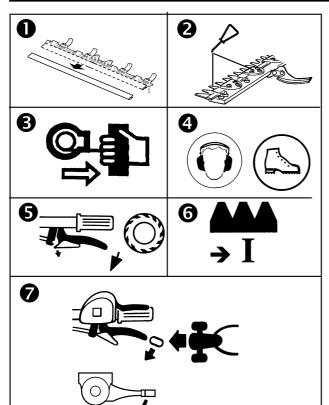
Have the engine cooled down before parking the power hoe in closed rooms.



Do not move the choke lever to CHOKE nosition to shut off the engine – danger of fire!

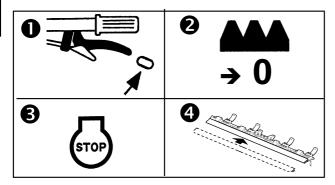
To down the machine for a long period of time, do not press the engine shut-off switch to stop the engine. Instead, close the fuel tap and operate the engine until it comes to a stop by lack of fuel. This is to ensure the carburetor is empty and to avoid resin deposits.

The speed control lever also serves to shut off the engine in an emergency situation. If necessary, move this lever to position "STOP" to shut off the engine.



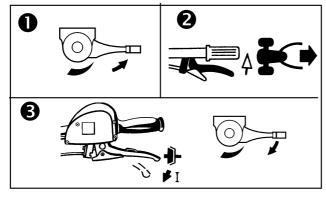
Mowing

- Remove knife guard.
- **2** Grease the cutter bar.
- **3** Start the engine.
- → Comissioning
- Check safety circuit function
 Only operate the machine if safety circuit works!
- **4** Wear individual protective ear plugs and solid shoes.
- **5** Engage wheel-drive.
- 6 Engage mowing gear.
- Move travelling drive to forward speed, slightly pull the clutch lever while pulling the speed control lever.



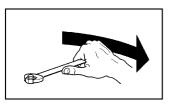
After mowing or in case of clogging:

- Wheel-drive to "0", the mower comes to a stop but not the knives, thus freeing the cutter bar from grass.
- 2 Disengage mowing gear.
- **3** Shut engine off.
- 4 Re-fit knife guard.



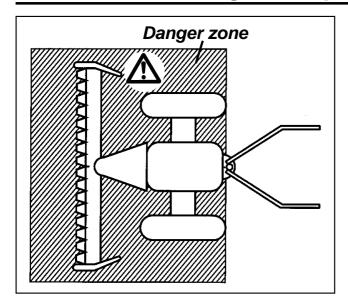
Direction change from forward to reverse:

- Engine to idle speed.
- **2** Pull hand clutch lever to "R" and maintain.
- **3** while you are pressing the throttle.



Re-tighten all nuts and screws of the mowing drive and the cutter bar after commissioning and when changing the knife after about 15 - 30 operating minutes and than every 4 operating hours (particularly of the cutter bar carrier, the knife driver and the mower mounted flange).

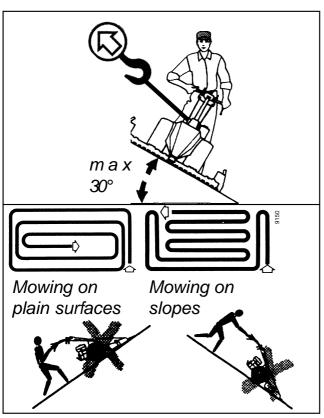




Danger zone



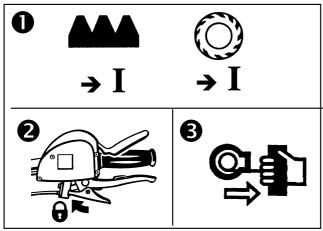
Keep out of the mower's danger zone during starts and operation.



Mowing on slopes

To prevent the mower from **!** sliding on slopes, make sure it is secured by another person using a bar or a cord. This person must be located at a higher position than the vehicle and at a safe distance from the attachment at work.

For operation on banks, always turn machine towards the slope!



Starting the engine on slopes

- Keep the mowing drive and the wheel-drive in engaged mode; braking effect.
- 2 Move the hand clutch lever and emergency-off-switch into "Start" position.
- **3** Start the engine.

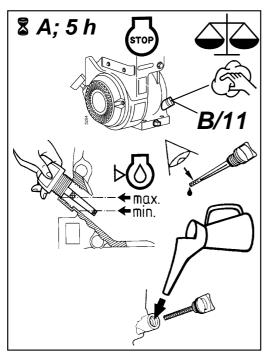
Apart from adhering to operating instructions for grassland mowers, it is also important to observe the following maintenance instructions.



Warning: Only do maintenance work with the engine shut off. Always remove spark plug connector from spark plug, to avoid accidentally starting the engine while working on the grassland mower or on the engine.



Always wear safety gloves, when working near mowing knives.



Engine

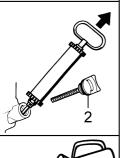
Checking Oil Level

- Each time you take up operation and after every 5 operating hours.
- Check only with engine switched off and machine in horizontal position.
- Clean oil filler plug (B/11) and surrounding parts.
- Unscrew oil filler plug.
- Oil level must reach the filling opening, refill oil, if oil level is lower than described (see "Specifications") Do not overfill!
- Screw oil filler plug back in and tighten.



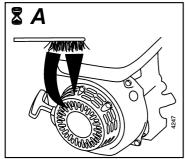
Changing Engine Oil

The first oil change is **after 5 operating hours**. Subsequent oil changes are after **50** operating hours or **once a year**, depending on which period is completed first. At extreme strain and high temperatures, change oil after 25 operating hours.



- Open the drain plug (1) and the filling plug (2) and drain the oil into a suitable container **or** use a suction pump to remove the oil through the filler neck.
- Ensure the waste oil is disposed of properly!
- Before you retighten the drain plug (1) inspect the condition of the sealing ring (3). Replace it if necessary.
- Fill fresh engine oil into the oil filling opening. Refer to Specifications for oil quantity and quality. Use a funnel or a similar device to fill the oil reservoir.
- Replace the oil filler plug (2) and tighten it.

Only change oil while the engine is still warm, but not hot – **dan-ger of burns!**



2 100 h

Cleaning the Cooling Screen

After long operation, dirt can clogg the cooling system. To avoid overheating and damage to the engine:

 Regularly clean cooling screen (B/8). Check each time before you take up operation!

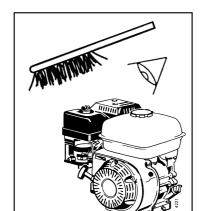
Air-Cooling System

Clean internal cooling fins and surfaces at least every **100** operating hours (earlier in very dusty conditions).

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Careful, do not touch the muffler! This is very hot after engine operation.



Exhaust

Regularly clean surrounding parts of muffler (B/9). Free from grass, dirt and inflammable deposits.



igwedge - Danger of fire!

Check each time before you take up operation.

Speed Actuating Devices

Devices for actuating engine speed must be adjusted correctly to start, operate and switch off the engine at correct speed rates.

→agria - Service ←

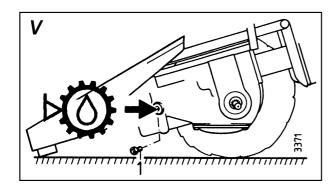
All other maintenance of the engine ■





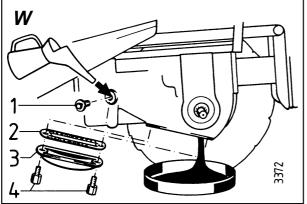
Machine

Worm Gear



- Check transmission oil level before you take up operation and after every
 25 operating hours.
- Park machine horizontally on the ground (fig. V) and unscrew oil filler plug (1).
- Oil level must reach filling opening.
 Refill transmission oil, if necessary.
- Screw oil filler plug back in and tighten.

Exchange transmission oil once per year while the engine is still warm from operation.



- To drain old oil remove cap from transmission housing (3) (unscrew two internal hexagonal screws).
- Collect old oil in proper container and dispose of properly.
- Check gasket (2). Exchange gasket and clean sealing surfaces, if necessary. Re-fit cap.
- Position machine horizontally and unscrew oil filler plug (1).
- Fill fresh transmission oil until oil level reaches control opening (fig. V).(For proper oil quality, refer to chapter "Specifications").
- Screw oil filler plug in again and tighten.

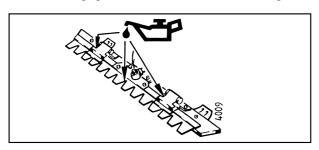
Drive-Wheels

- Check tyre air pressure (0.8 bar) regularly. For smooth driving, make sure that there is the same air pressure in front and rear tyres respectively.
- For full tractive power, mount wheels with pointed parts of lugs showing in travel direction (wheels seen from above).
- Constantly check wheel-shaft for wound-on grass, remove by dismounting drivewheels, if necessary.
- Lubricate with Bio-lubricating grease wheel-shaft ends (small shaft diameter) each time before you mount drive-wheels, once a year, and after cleaning with air-compressed water jets.

Mowing Attachment

The cutter bar is exposed to extreme strain. Therefore, it evidently must be maintained and adjusted with special care.

• Each time before you take up operation and after every 8 operating hours, lubricate all gliding parts with Biolubricating grease or Bio-lubricating oil.



• Approximately after every 30 minutes of operation, re-tighten all screws and nuts on mowing drive and cutter bar (especially on knife driver).

When exchanging attachment bolts on knife driver, only use original agria bolts. Otherwise knives may break.

Cleaning

After each mowing, clean cutter bar thoroughly with water. Above all, remove dirt collected between knife blades. For this purpose, dismount mowing knife. After cleaning, apply Bio-lubricating oil or Bio-lubricating grease to all gliding parts.

For longer storage, spray cutter bar with Bio-slushing oil.

Crank roll only machines to ID/Machine No. 53035153

The crank roll bearing is filled with a lasting grease depot.

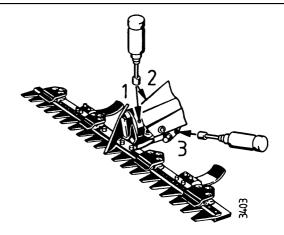
Lubricate lubrication nipple (1) on bearing first time after 25 operating hours and then after every 25 operating hours. Proceed carefully to not damage sealing rings on bearing. Use Bio-lubricating grease.

Cutter bar carrier pin

Lubricate lubrication nipple (2) on bearing of carrier pin with Bio-lubricating grease after every **25** operating hours, each time the cutter bar is mounted, and after cleaning with air-compressed water jets.

Interlocking bolt for cutter bar

Lubricate lubrication nipple (3) of interlocking bolt with Bio-lubricating grease once a year and after each cleaning with air-compressed water jets.



Lubrication nipples:

- 1 Crank roll (<53035153)
- 2 Cutter bar carrier pin
- 3 Cutter bar locking lever

5

Universal-SC Cutter Bar



Stop the engine, remove spark plug connector



and wear safety gloves.

Knife Removal

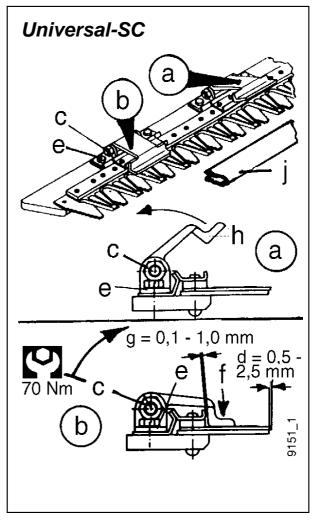
- Rocker arm mower: Loosen clamping screw (c) and fold up the knife holders (h)
- Pull out the knife together with the knife driver
- Clean the cutter bar and oil it slightly with Bio-lubrication oil



Always attach the knife guard (j) before you lay the mowing knife aside.

Knife Attachment

- Push the mowing knife from the front onto the link pin by aligning the link pin in the knife driver's hole.
- Fold down the knife holders and tighten the clamping screws (c) very well (70 Nm) while you simultaneously move the knife holders (h) in the direction indicated by the arrow (f) using a long ring spanner
- Check wether it is necessary to adjust knife guide and adjust it if necessary.



Setting the Knife Guide

To adjust blade protrusion (d) and play (g)

- Loosen clamping screws (c) and attachment bolts (e)
- Move the knife guides accordingly. Ensure the individual guide parts are parallel.
- First tighten the attachment bolts (e) and then the clamping screws (c) very well (70 Nm) while you simultaneously press the knife holders (h) in the direction indicated by the arrow (f) using a long ring spanner.

Municipal Cutter Bar

 \triangle

Stop the engine and remove spark plug connector.



Wear safety gloves.

Knife Removal

- Lift the pivot arm with the lever which is supplied with the cutter bar off the driver pin (4) and pivot it to the side and away from the knife
- Pull the knife out to the front
- Clean the cutter bar and oil it with Biolubrication oil



Always attach the knife guard before you lay the mowing knife aside.

Knife Attachment

11 Lubrication nipple

 To attach the knife reverse the above order

Maintenance

- Lubricate the nipple (11) with Bio-lubrication grease after each operation and after washing the mower, but after **8** operating hours as a minimum.
- Additionally, lubricate new pivot arm guides once after approx. 1 operating hour

 Apply some Bio-lubrication grease to the driver pins (4) on the knife each time you have replaced the knife and after 8 operating hours.

Adjustment of Knife Guiding Devices

- At intervals of **25** operating hours check the pressure of the pivot arms (approx. 150 N), using a conventional spring balance
- To increase or adjust the pressure of the pivot arms:
- Loosen the 2 attachment bolts (7) on the bearing parts
- Adjust the pressure to approx. 150 N by turning the set screws (8). Then reattach the 2 adjustment bolts (7).
- Each time you have loosened the bolts (7) ensure that the bearing part (9) is at right angles to the cutter bar (5).
- Ensure also that the tips of the knife blades protrude 4mm to 5mm from the blades of the cutter bar in middle position.
- Replace the driver pin (4) or its sleeve (3), if the play between these two parts is greater than 2mm or if the sleeve (3) touches the pin rest (2).
- When fitting new clamping sleeves (10) ensure that the slots point outwards.

Municipal Cutter Bar 1 Cutter bar blade 2 Pin rest 3 Pin sleeve 4 Driver pin 5 Cutter bar back 7 Attachment bolt 8 Set screw 9 Bearing part 10 Clamping sleeve

5



Re-grinding the Mowing Knives





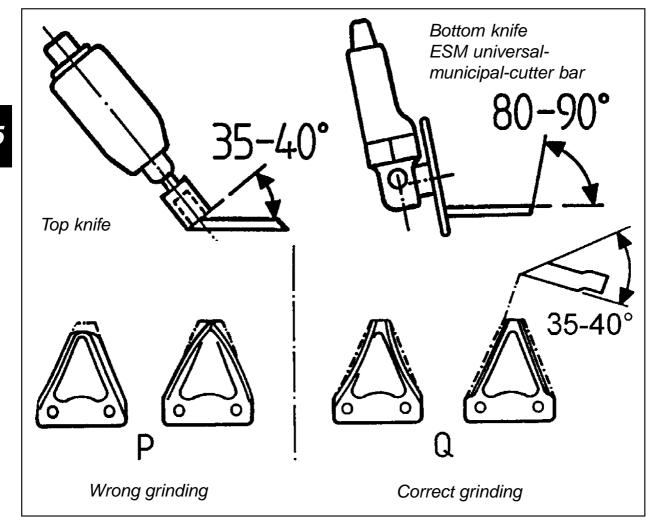


Wear safety goggles and gloves!

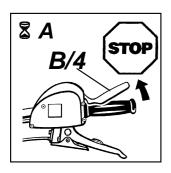
After **4–20 operating hours**, depending on the strain the mowing knives are exposed to, they become blunted and regrinding is necessary.

For this purpose, we recommend to use a hand grinder of 15,000 to 20,000 rpm with a pot-shaped grinding pin of 25 mm in diameter and approx. 35 mm in length or a special grinding tool.

- Grinding of mowing knives is essential for clean and smooth mowing.
- For grinding, use front of grinding pin and slide it from knife back to blade tip.
- Blades must not heat up. They are destroyed when they turn blue (glowed out and soft).
- Do not round-off the tips of the blades
 (P).
- Do not grind the blades in a bow (P).
- Remove any burr with a hand grinding stone.



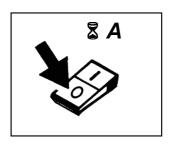
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Safety circuit

Check safety circuit for proper function each time you take up operation and each time you do maintenance work on the machine.

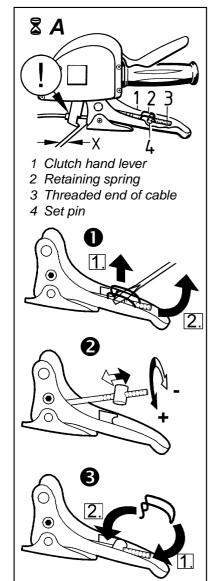
- When you release lever (C/4) and engaged clutch the engine must automatically come to a stop.
- Check electric conductors and connections for good condition, exchange, if necessary. →agria Service ←



Engine Shut-off Switch

Check engine shut-off switch each time you take up operation and each time you do maintenance work on the machine.

- The engine shut-off switch in position "0", the engine must come to a stop.
- Check electric lines and connections for good condition, exchange, if necessary. →agria Service ←



Adjustments on Hand Lever for Clutch and Wheel-Drive

Check play or adjustments each time before you operate the machine. If necessary, re-adjust (especially after commissioning the machine during break-in period, and after exchanging clutch V-belt).

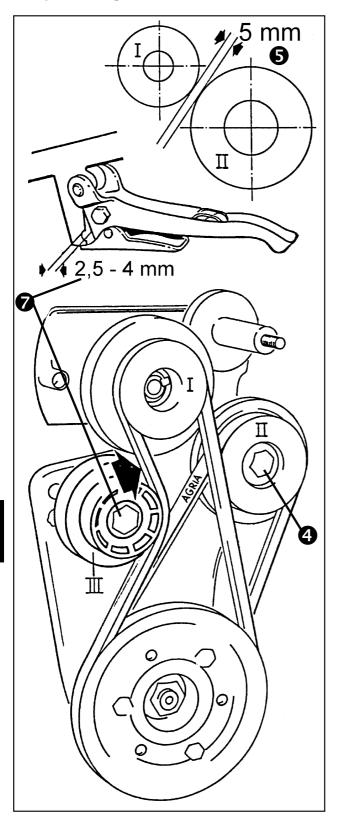
- 1. Remove retaining spring (2).
- 2. Remove cable end (3) and adjusting pin (4)out of bracket in hand lever.
- **2** Screw adjusting pin (4) in or out to a play of X or idle is present in position 0.
- **3** 1. Place cable end and adjusting pin back into bracket
- 2. Fit retaining spring (2).

Hand lever for wheel-drive: X = 3-5 mm

Hand lever for clutch: X = 2.5-4 mm,

the basic setting is adjusted in neutral position. In neutral, the gap between rubber pulley "II" and pulley "I" must be 2–3 mm (see "Adjusting V-Belt Tension").

Adjusting V-Belt Tension

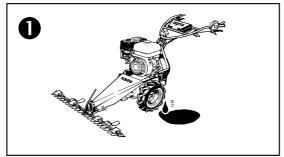


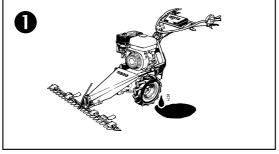
Tension of V-belt requires re-adjustment, when hand clutch lever play is less than 1.5 mm with forward speed engaged.

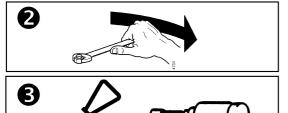
- Remove pulley and belt guard (D/8). For this purpose, unscrew counternuts (D/10).
- **2** Remove V-belt guide plate (D/7).
- 3 Move hand clutch lever (C/5) to neutral/Leerlauf (pawl (C/6) is locked).
- 4 Screw pulley and rubber pulley "II" into wall until V-belt tension is normal for reverse speed.
- **5** Prepare rubber pulley "II" for reverse speed by adjusting Bowden cable in hand clutch lever (fig. X) in such a way that the space between the outside diameter of pulley "I" and the outside diameter of rubber pulley "II" is 5 mm.
- 6 Engage hand clutch lever for forward speed.
- Turn idler pulley "III" into arrow direction, until play in hand clutch lever (in forward position) is 2.5-4 mm.
- 8 Re-mount V-belt guide (D/7) (see fig. D).
- Mount pulley and belt guard (D/8). For this purpose, the clutch lever must be in position "forward".



Do not use commercial V-belts. Only use original agria V-belts! Only operate the machine with all protective devices mounted and adjusted to provide protection.





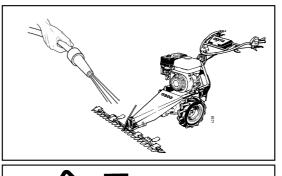


General Maintenance

 Watch out for fuel and oil leakage, repair if necessary.

- 2 Regularly check screws and nuts for tight fit, re-tighten, if necessary.
- **3** Lubricate all gliding and moving parts (e.g. speed control lever, bearings of hand levers) with Bio-lubricating grease or Biolubricating oil.

Cleaning



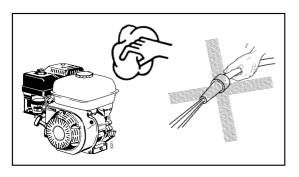


Machine

After cleaning with air-compressed water jets immediately lubricate lubrication points on the machine and operate mowing drive for a short time to press out penetrated wa-

Apply grease generously to leave a grease neck around bearing to prevent water, plant sap and dirt from penetrating.





Clean engine only with a cloth. Avoid spraying with water jets, as water might penetrate into ignition and fuel system and cause malfunctions.

Storage

For longer periods of no operation prepare the grassland mower for storage. Proceed as follows:

a) Clean thoroughly

Repair paint coat

b) Spray all shining parts and cutter bar with Bio-slushing oil.

c) Engine preservation

• Drain the fuel completely from the system,

see





Petrol is an extremely inflammable and sometimes even explosive fuel. Do not smoke within the machine's operating range and keep away fire and sparks.

Or fill fuel tank and add fuel stabilizer (agria No. 799 09).

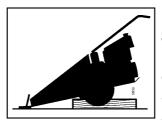
- Observe instructions.

Operate the engine for approx. 1 minute.

- Change the engine oil
- Fill a tea-spoon of engine oil (approx. 0.03I) into the spark plug opening. Slowly crank the engine.
- Reinstall the spark plug and pull the starter rope until you feel resistance. Pull a bit further. This closes the intake and outlet valves to improve the engine's protection from internal corrosion.
- Crank the engine slowly at 2–3 week intervals (spark plug connector is removed).

d) Drive-wheels

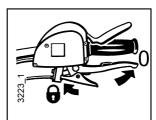
Support drive-wheels in such a way that



tyres have no ground contact. Pneumatic tyres are quickly destroyed, if left standing under load and un-inflated.

e) Clutch

Always park mower with hand clutch le-



ver pulled ("0" – pawl locked in place). Otherwise, clutch problems may result due to corrosion.

f) Storing the machine

To avoid severe corrosion:

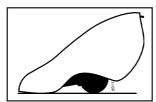
- to preserve the machine from atmospheric influences



Do not park the machine in:

- humid rooms
- in rooms where fertilizer is stored
- in stables or adjacent rooms.

g) Protect machine



with cloth or a similar cover.

5

agria



Observe safety instructions! Have all serious malfunctions on the machine or engine repaired by your agria workshop. They have the proper tools. Improper repairs can only add to the damage.

Problem	Possible cause	Possible solution	Page
Engine does not start	- Spark plug connector not connected - Choke is not in position CHOKE - Fuel tank empty or poor fuel - Fuel line clogged	Connect spark plug connector Set Choke-lever to position "CHOKE" Fill fresh fuel Clean fuel line	28 27
	 - Defective spark plug - Engine too much fuel ("flooded engine") - Inleaked air due to loose caburetor 	Clean, adjust or exchange spark plug Dry and clean spark plug and start at full throttle Tighten attachment bolts	BM BM
Misfirings in engine	and suction line - Engine running in CHOKE range - Loose ignition cable	Set CHOKE-lever to operating position "BETRIEB" Firmly connect spark plug connector to	28
	- Clogged fuel line or poor fuel - Vent opening in fuel tank cap clogged - Water or dirt in fuel system	spark plug, fix ignition cable retaining device, firmly connect connector to ignition cable Clean fuel line, fill fresh fuel Exchange fuel tank cap Drain fuel and fill fresh fuel	27
	- Air filter clogged - Carburetor misadjusted	Clean air filter or exchange Re-adjust carburetor	BM ★ BM
Excessive temperature in engine	- Low engine oil level - Impaired cooling	Refill oil immediately Clean cooling fan grille, clean internal cooling fins	32 33 ★ 33
ogo	- Air filter clogged - Carburetor misadjusted	Clean air filter	BM ★ BM
Misfirings in engine at high speeds	- Short firing intervals - Incorrect idle mixture	Adjust spark plug Adjust carburetor	BM ★ BM
Engine frequently	- Firing interval too long, defective spark plug	Adjust or replace spark plug	ВМ
stalls in idle	- Air filter clogged - Carburetor misadjusted	Clean air filter Re-adjust carburetor	BM ⊭ BM
Engine does not run smoothly	- governor linkages clogged or jammed	Clean governor linkages	ВМ
Engine does not stop when set to stop	- Engine shut-off switch not correct	Check electric lines and connections	★ 39

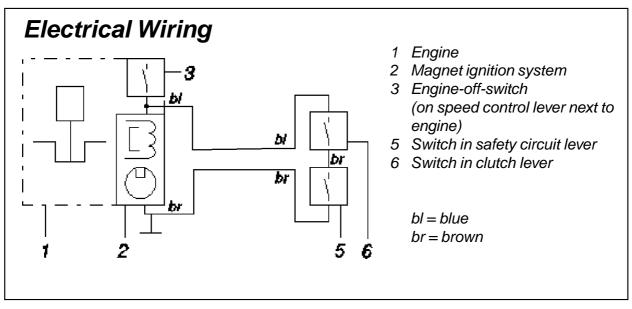
6. Troubleshooting

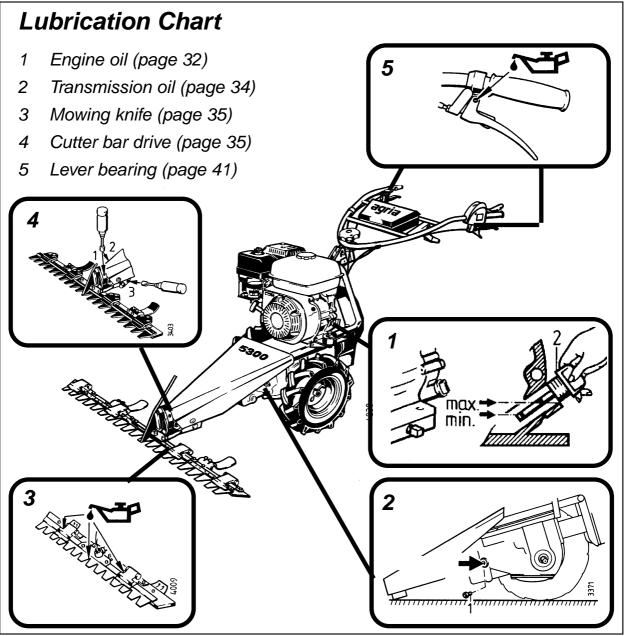


Problem	Possible cause	Possible solution	Page		
Engine output too low	- Air filter clogged- Loose cylinder head or damaged sealing- Poor compression	Clean air filter Tighten cylinder head, exchange sealing Have engine checked	*	ВМ	
Travelling drive or mowing drive does not stop with clutch pulled	- Incorrect hand clutch lever adjustment	Adjust hand clutch lever	*	39	
Excessive vibration	- Attachment bolts loosened - Mowing knife loosened, warped or incorrectly adjusted	Tighten attachment bolts Immediately turn off engine! Check cutter bar carrier, knife driver, all screws and nuts for tightness, exchange damaged parts, adjust knife guiding devices.		35, 38 35 - 37	
Uneven cut/ plant trash gets caught between knives	 - Dull mowing knives - Knife guiding devices not properly adjusted - Knives not straight - Blades are not aligned - Blades are not on top of each other 	Re-grind mowing knives Adjust knife guiding devices Have knives re-aligned or exchanged Have blades re-aligned Have cutter bar re-aligned	3 * *	38 35 - 37	
Blade tips of bottom knife work into blades of top knife	- Top knife protrudes too far over bottom knife	Adjust knife guides and wear plates	3	35 - 37	

^{★ =} For this purpose contact your agria workshop.BM = Engine operating instructions









agria Order No.

Fuel Stabilizer:

799 09 Fuel stabilizer pouch 5 g

Varnishes:

181 03	Spray varnish birch-green	spray tin	400 ml
712 98	Spray varnish red, RAL 2002	spray tin	400 ml
509 68	Spray varnish black	spray tin	400 ml

Emergency Tyre Repair:

713 13 Tyre sealing gel Terra-S bottle 11

Wear Parts:

305 65 Gasket for housing cap (worm gear)

481 75 V-belt for clutch

481 74 V-belt for reverse drive



Note: Only use original agria V-belts!

Honda engine

761 99 Air filter element set

759 99 Spark plug NGK BPR6 ES; Bosch WR7DC

Robin engine

400 220 Air filter element set

681 87 Spark plug NGK BR6 HS; Bosch WR7AC

Spare Parts:

997 021 Grassland mower 5300

997 145 Honda Engines

997 077 Robin Engines

Inspection and Maintenance Chart



		After operating hours				min. every					
	A	5	8	25	50	100	200	3 months	min. yearly	В	page
Check safety circuit function	K							montrio	y carry	_	39
Check free play of hand levers	Κ										39
Check air filter	Κ										BM
Clean cooling-screen	Κ										33
Check engine oil level,	1/	1/									00
refill, if necessary	K	K									32
Clean surrounding parts of exhaust	Κ	K									33
Cutter bar: Lubricate all gliding parts,	К		K							K	25
also, each time you change knives	n		K							l N	35
First engine oil change		W									32
subsequent oil changes					W						32
Cutter bar: Check play of wear plates,				K							36, 37
also, each time you change knives				r.							30, 37
Lubricate crank roll				K						K	35
Cleaning				K							41
Check bolts and nuts				K							41
Check transmission oil level				K							34
Lubricate cutter bar carrier pin,				Κ					К	K	35
also, each time you change knives				IX.					IX	IX	33
Clean air filter insert				W				W			BM
Clean fuel strainer					K				K		BM
Replace air filter insert,						W					ВМ
earlier, if required											
Clean spark plug, adjust gap						W					BM
Clean guide plates, cooling fins –						W					33
earlier, if required											
Replace spark plug							K				BM
Grease wheel-shaft ends									K	K	34
Lubricate interlocking bolt for cutter bar									K	K	35
Lubricate all gliding parts									K	K	41
Change transmission oil									W		34
Replace fuel hoses									W*		BM

A = Each time before you take up operation

B = After each cleaning

BM = see engine operating instructions

K = Checks and maintenance to be executed by operator
 W = Maintenance to be executed by professional workshop

* = after 2 years

Designation of Parts



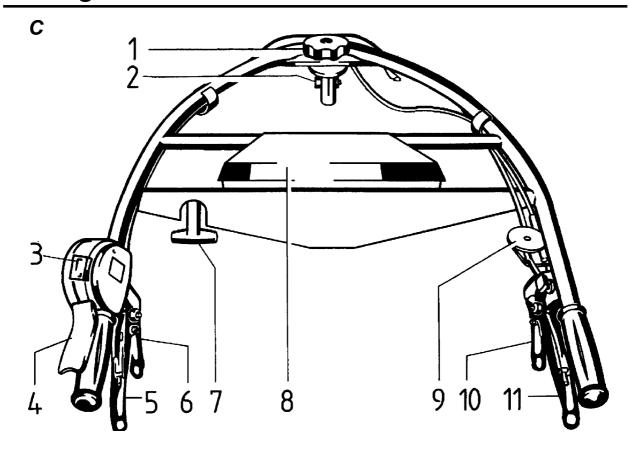
Figure C

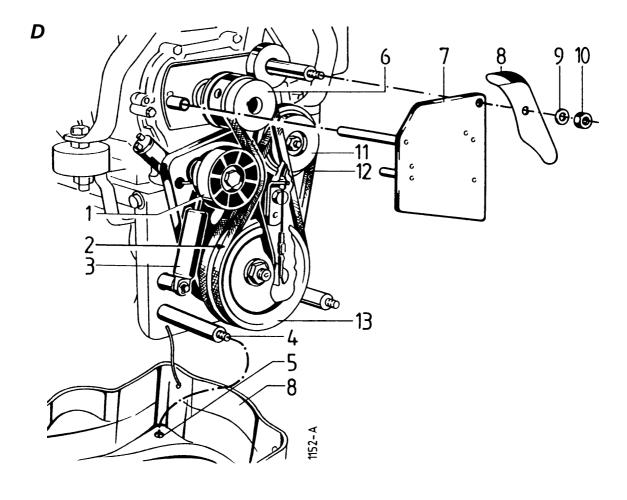
- 1 Gear lever for mowing drive
- 2 Knob screw for steering handle side adjustment
- 3 Engine-off-switch
- 4 Safety circuit lever
- 5 Hand clutch lever and forward/reverse change
- 6 Pawl for hand clutch lever
- 7 Cutterbar drive engagement lever
- 8 Toolbox
- 9 Speed control lever
- 10 Pawl for wheel-drive engagement lever
- 11 Hand lever for wheel-drive engagement

Figure D

- 1 Idler pulley
- 2 Drive belt for forward speed (clutch)
- 3 Vibration dampener
- 4 Threaded stem for pulley and belt guard
- 5 Location holes for guard carrier
- 6 Driving pulley (on crankshaft)
- 7 Belt guide plate
- 8 Pulley and belt guard
- 9 Spring washer
- 10 Counternut
- 11 Rubber pulley for reverse
- 12 Drive belt for reverse
- 13 Driving pulley (on gearshaft)









EG-Konformitätserklärung EC Declaration of Conformity











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Nous

We

V

agria-Werke GmbH Bittelbronner Str. 42 D-74219 Möckmühl/Württ.

erklären, dass das Produkt déclarons que le produit

herewith declare that the product erklærer herved at produktet

Motormäher

Motofaucheuse

Motor mower

Motorslåmaskin

5300 441, -531, -611

mit allen einschlägigen Bestimmungen der EG-Maschinenrichtlinie 2006/42/EG in Übereinstimmung ist. Die Maschine ist auch in Übereinstimmung mit allen einschlägigen Bestimmungen der folgenden EG-Richtlinien: 2004/108/EG, 2000/14/EG

est conforme à toutes les exigences respectives selon la directive relative aux machines 2006/42/CE.

La machine est aussi conforme à toutes les exigences respectives selon les directives CE suivantes:

2004/108/CE, 2000/14/CE

conforms to all relevant specifications of the Directive on Machinery 2006/42/EC.

It is also conform to all relevant specifications of following EC directives: 2004/108/EC, 2000/14/EC er i overensstemmelse med retningslinjene fra EH-maskindirektivet 2006/42/EG.

Maskinen er også i overensstemmelse med alle relevante spesifikasjoner for følgende EG-retningslinjer: 2004/108/EG, 2000/14/EG

Folgende harmonisierte Normen (oder Teile davon) oder techn. Spezifikationen wurden angewendet: Les normes harmonisées (ou extraits de celles ci) ou les spécifications techniques suivantes ont été appliquées: Following harmonized standards (or parts of it) or technical specifications have been applied: Følgende tilpassede standarder (eller deler av den) eller tekniske spesifikasjoner ble anvendt

EN 12733: 2001 + A1: 2009

Möckmühl, den 20.01.2010

Siegfried Arndt Geschäftsführer Directeur

Managing Director

Adm.dir

Rudolf Tigges

Leiter Entwicklung & Konstruktion Responsable développement et études Head, Research and Development

Sjef, Forsking og utvikling

Herr Tigges ist bevollmächtigt die technischen Unterlagen zusammenzustellen. Monsieur Tigges est habilité à agencer la documentation technique.

Mr. Tigges is authorized to assort the technical documents.

Herr Tigges er autorisert til å sammenfatte de tekniske underlagene.

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